

Modified Form PTO/SB/08A

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	Not known (continuation of 09/938,789)
				Filing Date	October 23, 2003
				First Named Inventor	Stevens et al.
				Group Art Unit	Not known
				Examiner Name	Not known
Sheet	1	of	1	Attorney Docket No.	P156C1-US

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code <sup>2</sup>			
	1	4500963		Smith et al.	2/1985	
	2	4642890		Hechtman et al.	2/1987	

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	
KK	3	GOERING, "Altium Preps Topological Autorouter," EEdesign (December 10, 2001), 3 pages.		
KK	4	CLAN Systems Ltd. PCB AutoRouter, 5 pages		
KK	5	HINGSTON et al., "Topological Autorouting, Mapping the changing space," Altium Limited (2002), pp. 1-8		
KK	6	"Single-layer automatic router," IBM Research, 3 pages		

Examiner Signature	/Kibrom Gebresilassie/	Date Considered	09/14/2006
--------------------	------------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	Process And Apparatus For Finding Paths Through A Routing Space																																																																																																																								
<p>Application Number: 10/693484</p> <p>Confirmation Number: 2568</p> <p>First Named Applicant: Mac Stevens</p> <p>Attorney Docket Number:</p> <p>Art Unit: xxxx</p> <p>Examiner: Not Known</p> <p>Search string: ( 5245550 or 5636129 or 5657242 or 5717600 or 5926176 or 5948113 or 5956512 or 6077311 or 6256769 or 6317869 or 6385758 or 6490713 or 6678876 or 6553565 or 20030038850 ),pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>KK</td><td>1</td><td>5245550</td><td>1993-09-14</td><td>Miki et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>2</td><td>5636129</td><td>1997-06-03</td><td>Her</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>3</td><td>5657242</td><td>1997-08-12</td><td>Sekiyama et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>4</td><td>5717600</td><td>1998-02-10</td><td>Ishizuka</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>5</td><td>5926176</td><td>1999-07-30</td><td>McMillian et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>6</td><td>5948113</td><td>1999-09-07</td><td>Johnson et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>7</td><td>5956512</td><td>1999-09-21</td><td>Simmons et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>8</td><td>6077311</td><td>2000-06-20</td><td>Lichtenstein et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>9</td><td>6256769</td><td>2001-07-07</td><td>Tamarkin et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>10</td><td>6317869</td><td>2001-11-13</td><td>Adi-Tabatabai et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>11</td><td>6385758</td><td>2002-05-07</td><td>Kikuchi et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>12</td><td>6490713</td><td>2002-12-03</td><td>Matsumoto</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>13</td><td>6678876</td><td>2004-01-13</td><td>Stevens et al.</td><td></td><td></td><td></td></tr><tr><td>KK</td><td>14</td><td>6553565</td><td>2003-04-22</td><td>Click et al.</td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	KK	1	5245550	1993-09-14	Miki et al.				KK	2	5636129	1997-06-03	Her				KK	3	5657242	1997-08-12	Sekiyama et al.				KK	4	5717600	1998-02-10	Ishizuka				KK	5	5926176	1999-07-30	McMillian et al.				KK	6	5948113	1999-09-07	Johnson et al.				KK	7	5956512	1999-09-21	Simmons et al.				KK	8	6077311	2000-06-20	Lichtenstein et al.				KK	9	6256769	2001-07-07	Tamarkin et al.				KK	10	6317869	2001-11-13	Adi-Tabatabai et al.				KK	11	6385758	2002-05-07	Kikuchi et al.				KK	12	6490713	2002-12-03	Matsumoto				KK	13	6678876	2004-01-13	Stevens et al.				KK	14	6553565	2003-04-22	Click et al.			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																																																																		
KK	1	5245550	1993-09-14	Miki et al.																																																																																																																					
KK	2	5636129	1997-06-03	Her																																																																																																																					
KK	3	5657242	1997-08-12	Sekiyama et al.																																																																																																																					
KK	4	5717600	1998-02-10	Ishizuka																																																																																																																					
KK	5	5926176	1999-07-30	McMillian et al.																																																																																																																					
KK	6	5948113	1999-09-07	Johnson et al.																																																																																																																					
KK	7	5956512	1999-09-21	Simmons et al.																																																																																																																					
KK	8	6077311	2000-06-20	Lichtenstein et al.																																																																																																																					
KK	9	6256769	2001-07-07	Tamarkin et al.																																																																																																																					
KK	10	6317869	2001-11-13	Adi-Tabatabai et al.																																																																																																																					
KK	11	6385758	2002-05-07	Kikuchi et al.																																																																																																																					
KK	12	6490713	2002-12-03	Matsumoto																																																																																																																					
KK	13	6678876	2004-01-13	Stevens et al.																																																																																																																					
KK	14	6553565	2003-04-22	Click et al.																																																																																																																					

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
KA	1	20030038850	2003-02-27	Stevens			

## Remarks

Note: Remarks are not for responding to an office action.

**COMMONLY OWNED, RELATED PATENTS AND APPLICATIONS:** Applicants note that citation number 13 in the US Patent Documents (USP 6678876) and citation number 1 in the US Published Applications (USPA 20030038850) in the attached listing are commonly owned with the above-identified patent application and may contain subject matter that is related to the subject matter of the above-identified patent application. The Examiner's attention is therefore directed to the prosecution history of the foregoing related patent(s) and patent application(s) and prior art cited in these patent(s) and patent application(s); Applicants assume that the Examiner has access to all of the prosecution history, including the cited prior art, of these patents(s) and patent application(s), but Applicants will provide copies of all or any part of the prosecution history of or prior art from any of these patent(s) or patent application(s) upon request.

## Signature

Examiner Name	Date
/Kibrom Gebresilassie/	09/14/2006